# **Panasonic**



47-inch Class FULL HD LCD Display

## TH-47LF30U

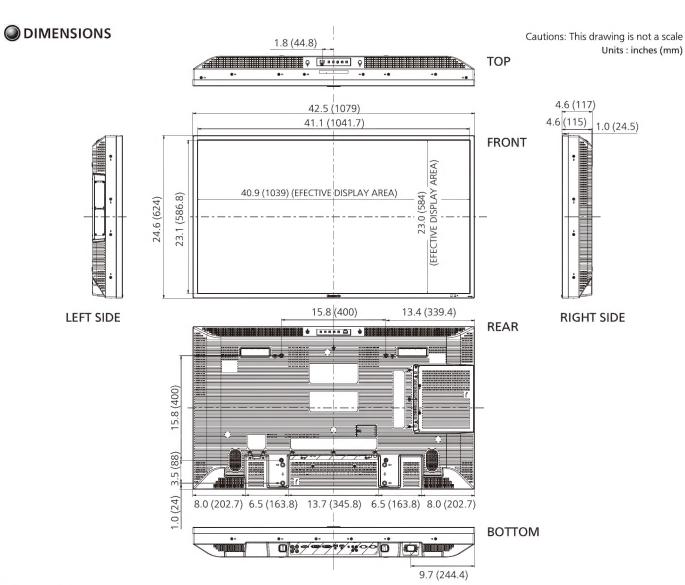
Screen Size (Diagonal)	46.9-inch (1192 mm)	
Aspect ratio	16:9	
Effective Display Area (W x H )	40.9" x 23.0" (1039 x 584 mm)	
Number of pixels (H x V)	1920 x 1080 pixels	
Brightness (Typ)	700 cd/m²	
Contrast Ratio	1200:1	
Response Time	9 ms (G to G)	
Viewing Angle (Horizontal/Vertical)	178° /178°	
Operating Life	approx. 50,000 hours*	
*An approximate time until the panel brigh	tness decreases to half of its original value.	
ONNECTION TERMINAL	3	
VIDEO IN	BNC x 1	1.0 Vp-p (75Ω)
AUDIO IN (L/R)	RCA Pin jack x 1 set	0.5 Vrms
COMPONENT/RGB IN	BNC x 3	G/Y : with sync 1.0 Vp-p (75 $\Omega$ )
		B/P <sub>B</sub> /C <sub>B</sub> : 0.7 Vp-p (75Ω)
		R/Pr/Cr : 0.7 Vp-p (75Ω)
AUDIO IN (L/R)	RCA Pin jack x 1 set	0.5 Vrms
HDMI IN	HDMI TYPE A x 2	
OVI-D IN	DVI-D 24 Pin x 1	Compliance with DVI Revision 1.0
	Content Protection	Compatible with HDCP 1.1
AUDIO IN (L/R)	Stereo mini jack (M3) × 1	0.5 Vrms (Shared with PC IN)
OVI-D OUT	DVI-D 24pin x 1	Compliance with DVI Revision 1.0
PC IN	Mini D-sub 15 Pin x1	G : with sync 1.0 Vp-p (75Ω)
	Plug & Play (VESA DDC 2B)	: without sync 0.7 Vp-p (75 $\Omega$ )
	, , , , , , , , , , , , , , , , , , , ,	B : 0.7 Vp-p (75Ω)
		R : 0.7 Vp-p (75Ω)
		HD/VD : 1.0 - 5.0 Vp-p (high impedance
AUDIO IN (L/R)	Stereo mini jack (M3) × 1	0.5 Vrms (Shared with DVI-D IN)
SLOT2.0	Yes	(3.00)
SERIAL	D-SUB 9 pin x 1 (SERIAL IN)/D-SUB 9 pin x	1 (SERIAL OUT) RS-232C Compatible
LECTRICAL	(2000)	
Power Requirements	110-127V AC, 50Hz/60Hz	
Rated Power Consumption	350W	
On Mode Average Power Consumption*	approx. 215W	
Power off condition	0.3W	
Stand-by condition	0.5W	
*Based on IEC 62087 Ed.2 measurement m	nethod.	
UDIO		
Built-in Speakers	8Ω, 10W [5W + 5W] (10%THD)	
/IECHANICAL		
Dimensions (W x H x D)	42.5" x 24.6" x 4.6" (1079 x 624 x 117 mm)	
Carton Dimensions (W x H x D)	47.8" x 30.4" x 10.0" (1212 x 770 x 254 mm	1)
Weight	approx. 55.2 lbs. (25.0 kg)	
Gross weight	approx. 68.4 lbs. (31.0 kg)	
Bezel Width	0.73" (18.6 mm)	
Cabinet Material / Color	Plastic / Black	
VESA mount	VESA 15.8" x 15.8" (400 x 400 mm)	
NVIRONMENTAL		
Operating environment	Temperature : 32°F to 104°F (0°C to 40	D°C)
- 1	Humidity : 20% to 80% (Non cor	
Storage environment	Temperature : -4°F to 140°F (-20°C to 6	
storage environment	Humidity : 20% to 90% (Non cond	densation)
*If the Temperature is 104°F to 140°F (40°C	to 60°C), please keep in humidity 20% to 40%.	action ()
TANDARD (CERTIFICATIONS)	-5 TO TAPICASE NEED IN HAIRING 20 /0 to 40 /0.	
SAFETY REGULATIONS	1116006E CAN/CSA 22 2No6006E:02	
RADIATION REGULATIONS	UL60065, CAN/CSA-22.2No60065:03 FCC Part 15 Class-B, ICES-003	
MUNIATION REGULATIONS	Yes	
Enorgy Star Displays F 1	162	
nergy Star Displays 5.1		
EMOTE CONTROL TRANSMITTER	DC 201/2 AAC: 1 1	
REMOTE CONTROL TRANSMITTER Power Requirements	DC 3V (2 x AA Size batteries)	
EMOTE CONTROL TRANSMITTER	DC 3V (2 x AA Size batteries) approx. 23 ft (7m) in front of Display approx. 3.5 oz (100g) including batteries	

#### MAIN FEATURE

Digital Zoom	Yes (x1~x4)
Video Wall	Yes (N x M, up to 5 x 5)
Power-on Screen Delay	Yes
Seam Hides Video Off Mode	Yes
Daisy Chain	Yes
1:1 Pixel mode	Yes
Automatic Picture Position	Yes
Screen Saver	Yes
No signal power off	Yes
PC Power Management	Yes
DVI-D Power Management	Yes
ECO mode	Yes
Input lock	Yes
Button lock	Yes
Remote-control User Level	Yes
Failover input	Yes
Orientation	Landscape / Portrait

#### OPTIONAL ACCESSORIES

Pedestal	TY-ST20-K	
HD-SDI Terminal Board	TY-FB10HD	



### CONNECTION TERMINAL



#### APPLICABLE INPUT SIGNALS

	Signal name	Horizontal frequency (kHz)	Vertical frequency (kHz)	VIDEO IN	COMPONENT IN (Dotclock(MHz))	RGB IN (Dotclock(MHz))	PC IN (Dotclock(MHz))	DVI-D IN (Dotclock(MHz))	HDMI1 HDMI2
Signals	NTSC PAL	15.73 15.63	59.94 50.00	Y					
ē	PAL60	15.73	59.94	Ÿ					
٥	NTSC 4.43	15.63 15.73	50.00 59.94	Y					
NINCO NINCO	PAL M	15.73	59.94	Y					
•	PAL N 525(480)/60i	15.63 15.73	50.00 59.94	Υ	Y (13.5)			V (27.0)	
t	525(480)/60p	31.47	59.94		Y (27.0) Y (13.5)			Y (27.0) Y (27.0)	Y
2	625(575)/50i 625(576)/50i	15.63 15.63	50.00 50.00		Y (13.5)				Υ
2	625(575)/50p	31.25	50.00		Y (27.0)			Y (27.0)	Ť
6	625(576)/50p	31.25 45.00	50.00 60.00		Y (74.25)			Y (27.0)	Y
	750(720)/60p 750(720)/50p	37.50	50.00		Y (74.25)			Y (74.25) Y (74.25)	Y
2	1125(1080)/60p	67.50	60.00		Y (148.5)*1 Y (74.25)*1			Y (148.5)	Υ
	1125(1080)/60i 1125(1080)/50p	33.75 56.25	60.00 50.00		Y (148.5)*1			Y (74.25) Y (148.5)	Y
3	1125(1080)/50i 1125(1080)/24sF	28.13 27.00	50.00 48.00		Y (74.25)*1 Y (74.25)*2			Y (74.25)	Υ
1	1125(1080)/30p	33.75	30.00		Y (74.25)*1			Y (74.25)	Υ
	1125(1080)/25p 1125(1080)/24p	28.13 27.00	25.00 24.00		Y (74.25)*1 Y (74.25)*1			Y (74.25) Y (74.25)	Y
1	640x400@70Hz	31.46	70.07		1 (74.23) 1	Y (25.17)	Y (25.17)	Y (25.17)	Y
	640x400@85Hz 640x480@60Hz	37.86 31.43	85.08 59.88			Y (31.5) Y (25.15)	Y (31.5) Y (25.15)	Y (31.5) Y (25.15)	
İ	640x480@60Hz	31.47	59.94			Y (25.18)	Y (25.18)	Y (25.18)	Υ
ŀ	640x480@67Hz 640x480@72Hz	35.00 37.86	66.67 72.81			Y (30.24) Y (31.5)	Y (30.24) Y (31.5)	Y (30.24) Y (31.5)	
į	640x480@75Hz	37.50	75.00			Y (31.5)	Y (31.5)	Y (31.5)	
ŀ	640x480@85Hz 720x400@70Hz	43.27 31.47	85.01 70.08			Y (36.0) Y (28.32)	Y (36.0) Y (28.32)	Y (36.0) Y (28.32)	
Ì	800x600@55Hz	34.50	55.38			Y (35.33)	Y (35.33)	Y (35.33)	
ŀ	800x600@56Hz 800x600@60Hz	35.16 37.88	56.25 60.32			Y (36.0) Y (40.0)	Y (36.0) Y (40.0)	Y (36.0) Y (40.0)	Υ
į	800x600@60Hz	38.00	60.51			Y (40.13)	Y (40.13)	Y (40.13)	
ł	800x600@72Hz 800x600@75Hz	48.08 46.88	72.19 75.00			Y (50.0) Y (49.5)	Y (50.0) Y (49.5)	Y (50.0) Y (49.5)	
Ì	800x600@85Hz	53.67	85.06			Y (56.25)	Y (56.25)	Y (56.25)	
ŀ	852x480@60Hz 1024x768@50Hz	31.47 39.55	59.94 50.00			Y (33.54) Y (51.89)	Y (33.54) Y (51.89)	Y (34.24) Y (51.89)	Y
	1024x768@60Hz	48.36	60.00			Y (65.0)	Y (65.0)	Y (65.0)	Y
ŀ	1024x768@60Hz 1024x768@70Hz	48.50 56.48	60.02 70.07			Y (64.99) Y (75.0)	Y (64.99) Y (75.0)	Y (65.18) Y (75.0)	
I	1024x768@75Hz 1024x768@75Hz	60.24 60.02	74.93 75.03			Y (80.0) Y (78.75)	Y (80.0) Y (78.75)	Y (80.0)	
ł	1024x768@75Hz	61.01	75.70			Y (80.05)	Y (80.05)	Y (78.75) Y (81.0)	
2	1024x768@85Hz 1024x768@120Hz	68.68 97.55	85.00 119.99			Y (94.5)	Y (94.5) Y (115.5)	Y (94.5) Y (115.5)	
2	1066x600@60Hz	37.64	59.94			Y (53.0)	Y (53.0)	Y (53.0)	Υ
3	1152x864@60Hz 1152x864@75Hz	53.70 67.50	60.00 75.00			Y (81.62) Y (108.0)	Y (81.62) Y (108.0)	Y (81.62) Y (108.0)	Υ
1	1152x900@65Hz	61.20	65.20			Y (92.0)	Y (92.0)	Y (92.0)	
	1152x900@66Hz 1152x900@75Hz	61.85 71.40	66.00 75.60			Y (94.5) Y (105.1)	Y (94.5) Y (105.1)	Y (94.5) Y (105.1)	
ļ	1280x768@60Hz	47.78	59.87			Y (79.50)	Y (79.50)	Y (79.50)	
-	1280x800@50Hz 1280x960@60Hz	41.20 60.00	50.00 60.00			Y (68.55) Y (108.0)	Y (68.55) Y (108.0)	Y (68.55) Y (108.0)	
Ì	1280x960@85Hz 1280x1024@50Hz	85.94 52.70	85.00 50.00			Y (148.5) Y (89.38)	Y (148.5) Y (89.38)	Y (148.5)	Υ
ì	1280x1024@60Hz	63.34	59.98			Y (108.18)	Y (108.18)	Y (89.38) Y (108.18)	Y
ŀ	1280x1024@60Hz 1280x1024@60Hz	63.90 63.37	60.00 60.01			Y (107.35) Y (107.5)	Y (107.35) Y (107.5)	Y (107.35) Y (107.5)	
ŀ	1280x1024@60Hz	63.74	60.02			Y (108.1)	Y (108.1)	Y (107.5) Y (108.1)	
	1280x1024@60Hz 1280x1024@60Hz	63.98 63.79	60.02 60.18			Y (108.0) Y (108.19)	Y (108.0) Y (108.19)	Y (108.0) Y (108.19)	Υ
	1280x1024@66Hz	70.66	66.47			Y (119.84)	Y (119.84)	Y (119.84)	
f	1280x1024@75Hz 1280x1024@76Hz	79.98 81.13	75.02 76.11			Y (135.0) Y (135.0)	Y (135.0) Y (135.0)	Y (135.0) Y (135.0)	
ļ	1280x1024@85Hz	91.15	85.02			, ,	Y (157.5)	Y (157.5)	
-	1360x768@60Hz 1366x768@50Hz	47.71 39.55	60.02 50.00			Y (85.5) Y (69.92)	Y (85.5) Y (69.92)	Y (85.5) Y (69.92)	
Ì	1366x768@60Hz	48.36	60.00			Y (86.71)	Y (86.71)	Y (87.44)	
-	1400x1050@60Hz 1400x1050@60Hz	65.12 65.32	59.91 59.98			Y (121.38) Y (121.75)	Y (121.38) Y (121.75)	Y (122.43) Y (121.75)	Υ
ľ	1400x1050@60Hz	65.35	60.12			Y (121.81)	Y (121.81)	Y (121.85)	
-	1400x1050@75Hz 1600x1200@60Hz	82.28 75.00	74.87 60.00			Y (156.0) Y (162.0)	Y (156.0) Y (162.0)	Y (156.0) Y (162.0)	Y
	1920x1080@60Hz	67.50	60.00			Y (148.5)	Y (148.5)	Y (148.5)	Y
	1920x1200@60Hz Macintosh13"(640x480)	74.04 35.00	59.95 66.67			Y (30.24)	Y (154.0) Y (30.24)	Y (154.0) Y (30.24)	
ļ	MacintoshLC13"(640x480)	34.97	66.60			Y (31.33)	Y (31.33)	Y (31.33)	
-	Macintosh16"(832x624) Macintosh19"(1024x768)	49.72 60.24	74.55 75.08			Y (57.28) Y (80.0)	Y (57.28) Y (80.0)	Y (57.28) Y (80.0)	
Ì	Macintosh21"(1152x870)	68.68 80.00	75.06 75.00			Y (100.0) Y (134.4)	Y (100.0) Y (134.4)	Y (100.0)	

<sup>\*1:</sup>Based on SMPTE 274M standard. \*2:Based on SMPTE RP211 standard.